BLAUPUNKT
Bosch Telecom

AUTORADIO

CD - Laufwerk CMX 201
8 638 811 548

3 D93 440 015 BN 06 / 93

Kundendienstschrift • Service Manual • Manuel de service • Manual de servicio

(D)

Nach jedem Einschalten des Autoradios gleicht sich das CD Laufwerk automatisch ab. Somit entfallen sämtliche Abgleichvorgänge.

(GB)

The CD drive is aligned automatically each time the Car radio is switched on. Therefore, no manual alignment is required.

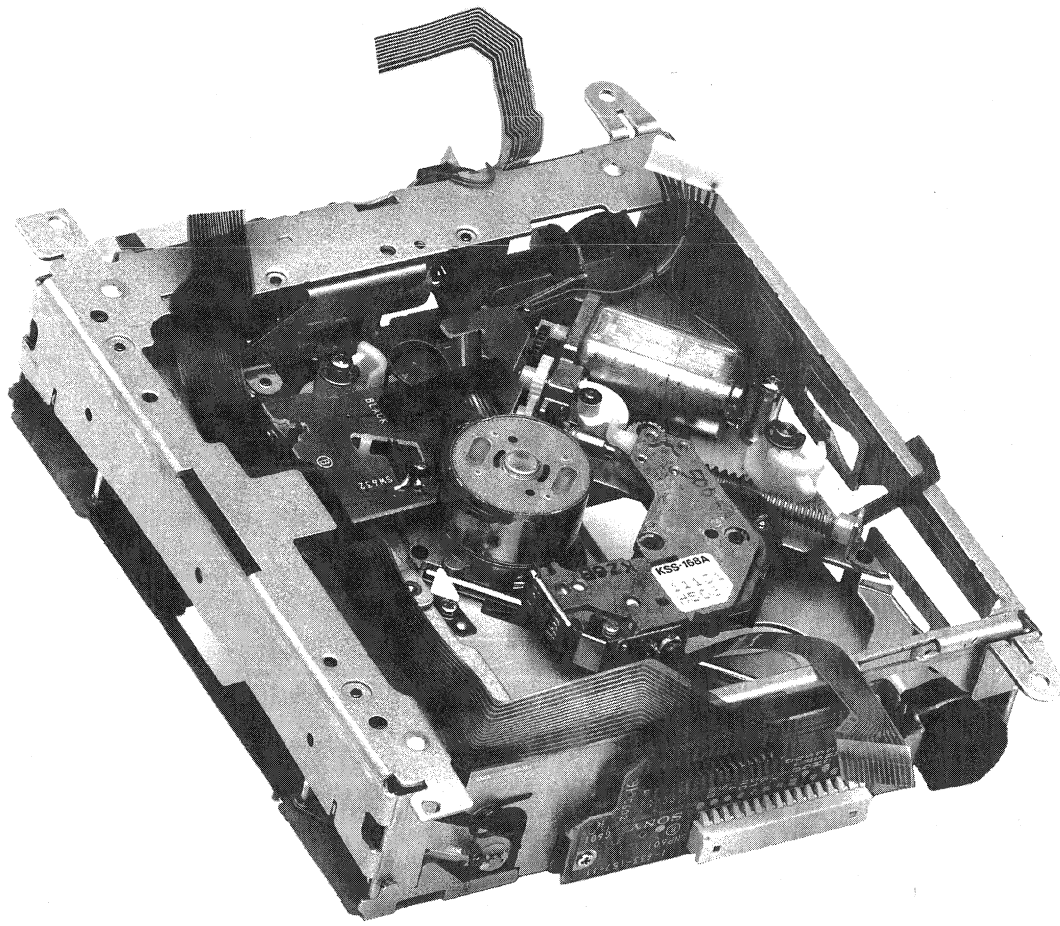
(F)

Le lecteur CD s'équilibre automatiquement á chaque mise en marche de l'autoradio.

(E)

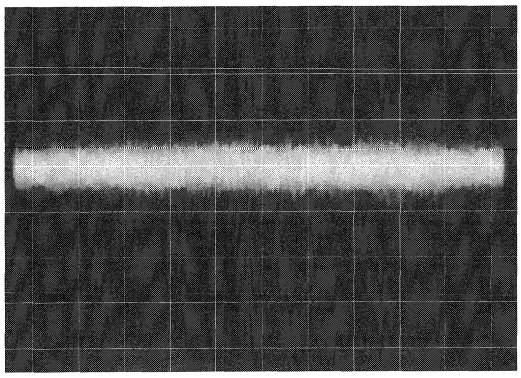
El mecanismo del reproductor del CD se alinea automáticamente cada vez que el autorradio se conecta. Por ello, no es preciso efectuar el ajuste manualmente.

LW 1300 8 638 811 548



(1)

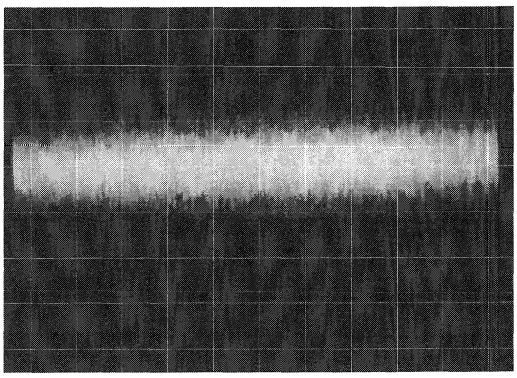
F E **IC 501 / 32**



100 mV / cm **200 µs / cm**

(2)

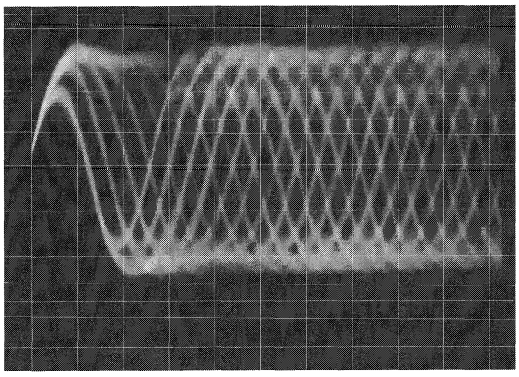
T E **IC 501 / 1**



200 mV / cm **200 µs / cm**

(3)

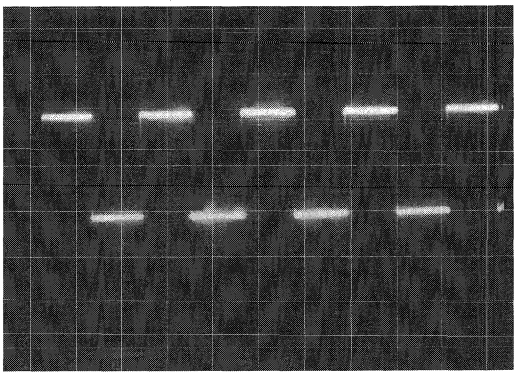
R F O **IC 501 / 14**



200 mV / cm **500 ns / cm**

(4)

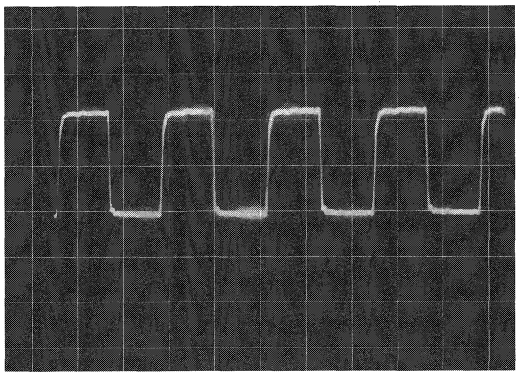
L R C K **IC 301 / 8**



2 V / cm **10 µs / cm**

(5)

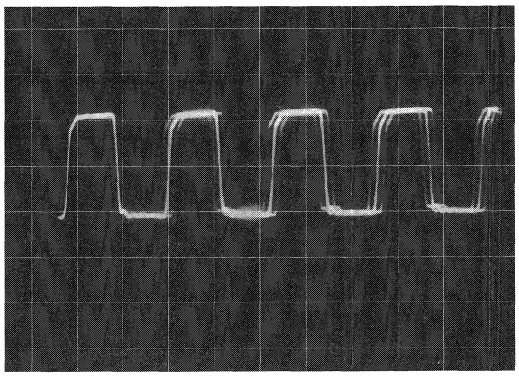
B C L K **IC 301 / 9**



2 V / cm **200 ns / cm**

(6)

P L C K **IC 503 / 41**

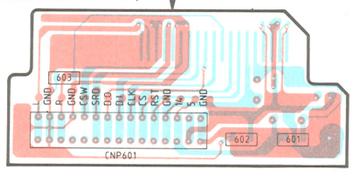


2 V / cm **100 ns / cm**

P601 — P2400

N1
2 = VR
3 = PD
4 = LD
5 = Ground
6 = F
7 = E
8 = K
9 = Ground
10 = D
11 = C
12 = A
13 = B

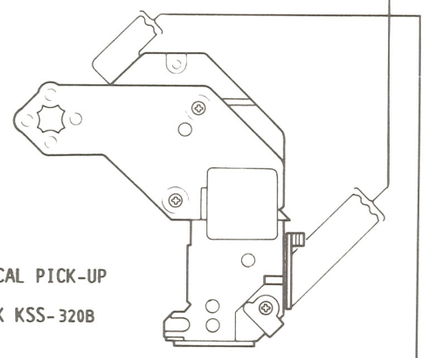
(TRANSLATION BOARD)



DV1
1 = Spindel +
2 = Spindel -

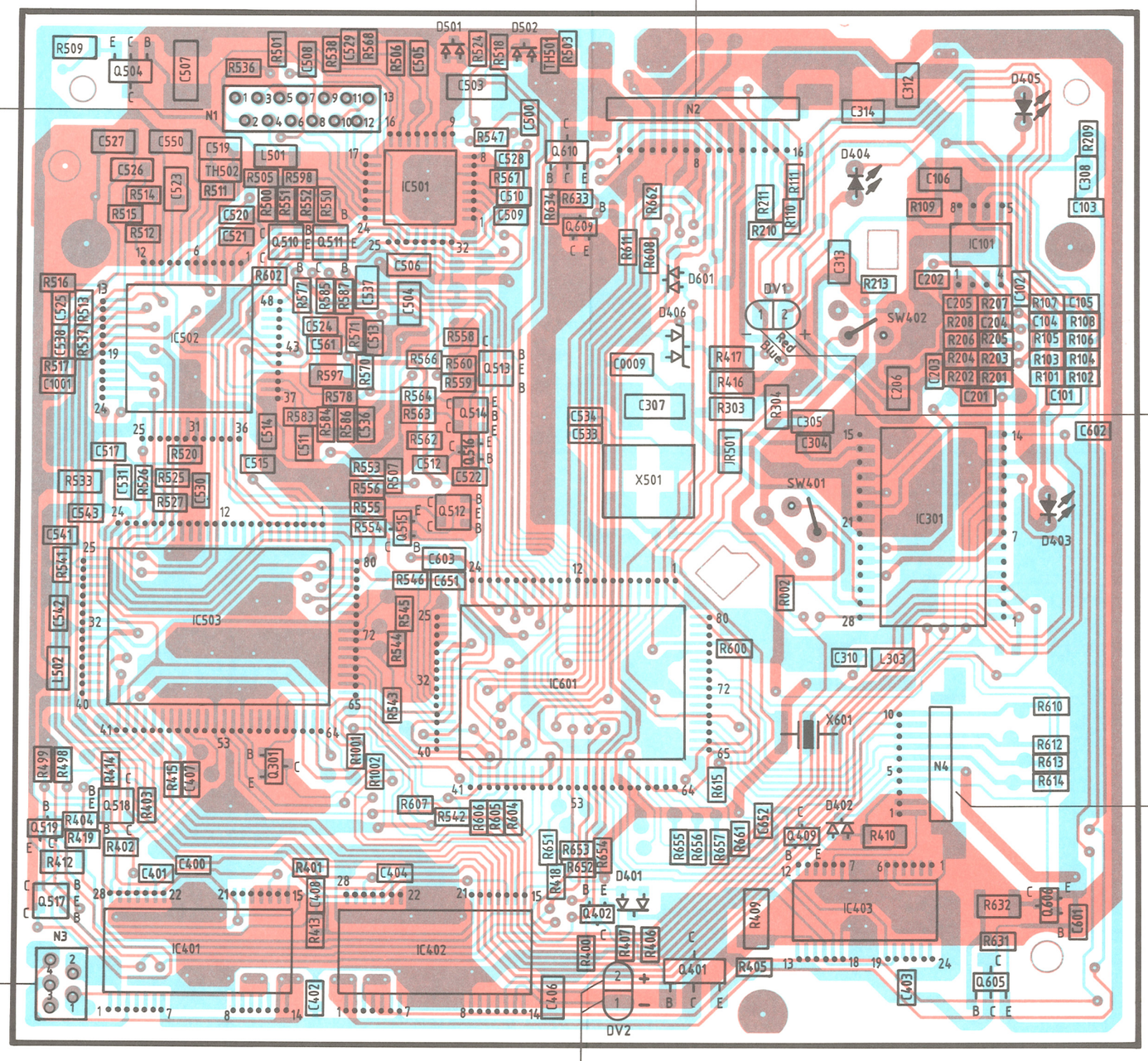
N2
1 = U5
2 = Ground 2
3 = U5
4 = U14
5 = Ground 1
6 = RST
7 = CS
8 =
9 = SCK
10 = SO
11 = SI
12 = SRQ
13 = CSW
14 = COM
15 = R - AF
16 = L - AF

M902
SPINDLE MOTOR
BLUE
RED



OPTICAL PICK-UP

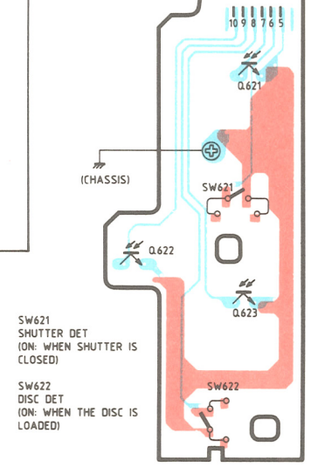
BLOCK KSS-320B



N3
1 = Focus-
2 = Tracing-
3 = Tracing+
4 = Focus+

M903
LOADING MOTOR
RED
BLK

(SENSOR BOARD)



N4
1 = LD +
2 = LD -
3 = A8
4 = B8
5 = Ground
6 = B9
7 = A10
8 = B10
9 = A11
10 = B11

SW621
SHUTTER DET
(ON: WHEN SHUTTER IS CLOSED)

SW622
DISC DET
(ON: WHEN THE DISC IS LOADED)

M901
SLED MOTOR
RED
BLK

PM901
SOLENOID

MOTOR DRIVER

FOCUS TRACKING-DRIVER

MECHANISM CONTROL PROCESSOR

MOTOR-DRIVER

U51CD

R405 10k
C403 1u
Q401 2SB1202FAT
U14CD
RDS.1MB1 D401
R406 22k
Q402 2SC4081R
C406 2,2u
R407 27k
R408 330
G1
C404 0,01u
R418 510k
IC402 BA6295FP
SLO IC502/14
SPINO IC502/39
FED IC502/5
Q519/C
TAD IC502/11
Q517/C

DV2
SLED MOTOR
SL+
SL-
SPINDL MOTOR
SP+
SP-
DV1

R415 3,9k
C407 0,022u
R402 270k
R414 27k
C401 0,01u
IC401 BA6295FP
C402 0,1u
R401 270k
C408 0,022u
R419 100k
R412 10 (1/8W)

TRACKING COIL
FOCUS COIL
P/N3
F-
T-
T+
F+
B14
A14
B13
A13

U14
R417 330
R416 270
D406 RD8.2MB1
3xSEL6110R
D404 D405 D409
3xP/N147LP
Q622 Q623 Q621
SW622
SW621

PL-38
SENSOR-BOARD
SW B SW C SW D SW E SW F GND PD 5V LD- LD+
P/N4
B11 A11 B10 A10 A9 B8 A8 B7 A7
B11 IC601/70
A11 D601/K
B10 IC601/68
A10 IC601/67
B9 IC601/66
B8 Q409/C
A8 D402/K

PL-65
CD MAIN-BOARD

S-STOP IC502/16
SW401 S.STOP
U5CD
LOAD IC601/55
EJECT IC601/56
P/N4/3-A8
D402 DAN202U
R410 10C (1/8W)
Q409 UN5216 QSR-TX
P/N4/4-B8
R409 2,2K (1/2W)
IC403 BA6285FP

SCOR IC503/63
RST1 N2/6
CLOCK IC503/74
LAT IC503/72
DATA IC503/71
RST2 IC503/70
FOK IC503/1
CS N2/7
MD2 IC503/59
R662 10k
R608 22k
C603 1u
C651 0,01u
R602 47k
R604 22k
R605 22k
R606 22k
IC601 CXP50116MEC
MP11
MP12
R499 100k
R641 10k
R655 10k
R631 10k
R632 10k
R633 10k
R634 10k
R1610 100k
R1611 100k
R1612 100k

1/2 Q510/B
1/2 Q510/B
1/2 Q511/B
Q515/B
1/2 Q512/B
1/2 Q512/B
1/2 Q511/B
Q514/B
1/2 Q514/B
1/2 Q514/B
1/2 Q513/B
1/2 Q513/B
Q518/B
Q518/B
1/2 Q517/B
1/2 Q517/B

SENS IC503/69
Q514/B DFCT
N2/8 SCK
N2/9 SO
N2/10 S1
Q502/C HOT
SOCK IC503/67
SOS IC503/66
GFS IC503/42
IC403/17
IC403/19
PLUNG Q409
POWER ON Q609/B
PLUNG IC601/57

PL-66 LASER-BOARD

OPTICAL PICK UP

P/N1

VR PD LD GND F E K GND D C A B

RF-AMPL.

IC501 CXA1081Q

D/A-CONVERTER

IC301 SM5871AS-ET

IC601 CXP50116MEC

SERVO CONTROL PROCESSOR

IC502 CXA1182Q

IC503 CXD2500AQ

DIGITAL SIGNAL PROCESSOR

IC601/20 TO3
IC601/19 TO2
IC601/18 TO1
IC601/14 TOO
IC601/17 FO2
IC601/16 FO1
IC601/15 FOO
IC601/10 FG1
IC601/9 FG0
IC601/43 DFCT
IC601/12 TG1
IC601/11 TG0
IC601/3 APC
IC601/47 HOT
IC601/39 FOK
IC601/13 TOLF
IC402/26 SPINO
IC401/17 FED
IC401/26 TAD
IC402/17 SLO
S-STOP H401
R412
R414

IC601/2 MUTE
IC601/42 SENS
IC601/37 DATA
IC601/72 LAT
IC601/35 CLOCK

SQCK IC601/48
SQSO IC601/49
SCOR IC601/29
MD2 IC601/41

IC501/8 RF
IC501/7 ASY
IC601/38 RST2
IC601/50 GFS

TGGH IC601/8
FGGH IC601/7
TGGL IC601/6
FGGL IC601/5

1/2 0510/B
1/2 0510/B
1/2 0511/B
0515/B
1/2 0512/B
1/2 0512/B
1/2 0511/B
1/2 0511/B
1/2 0514/B
1/2 0514/B
1/2 0514/B
1/2 0513/B
1/2 0513/B
1/2 0518/B
1/2 0518/B
1/2 0517/B
1/2 0517/B
IC501/10
IC503/68

Q514/B DFCT
N2/8 SCK
N2/9 SO
N2/10 S1
Q502/C HOT
SOCK IC503/67
SOS IC503/66
GFS IC503/42
IC403/17
IC403/19
PLUNB 0409
POWER ON 0609/B

CSW N2/13
N4/9 A11
SRQ N2/12
B11 N4/10
B10 N4/8
B10 N4/7
B9 N4/6

USCD
G2
COM
MP1 MP2 MP3 MP4 MP5 MP6 MP7 MP8 MP9 MP10 MP11

PL-66 LASER-BOARD

OPTICAL PICK UP

P/N1

VR PD LD GND F E K GND D C A B

RF-AMPL.

IC501 CXA1081Q

IC502 CXA1182Q

D/A-CONVERTER

IC101(1/2) NJM2100M

IC101(2/2) NJM2100M

IC301 SM5871AS-ET

IC503 CXD2500AQ

DIGITAL SIGNAL PROCESSOR

U14CD U14

Q605 2SB1123

Q606 UN5211-TX

Q514 XN1215-TX

Q517 XN1215-TX

Q519 2SC4081R

Q502 2SC4081R

Q301 UN2212-TX

Q609 UN5211-TX

Q610 2SB1123

D501 DAN202U

TH501 10k

TH502 10k

L501 10uH

L502 10uH

L303 3,3uH

X501 16,9MHz

IC601/2 MUTE
IC601/42 SENS
IC601/37 DATA
IC601/72 LAT
IC601/35 CLOCK

SQCK IC601/48
SQSO IC601/49
SCOR IC601/29
MD2 IC601/41

1/2 D601
IC601/77
IC601/46
IC601/45
IC601/44
IC601/40
IC601/32

IC501/8 RF
IC501/7 ASY
IC601/38 RST2
IC601/50 GFS

RF IC503/24
ASY IC503/27

TOOL IC601/6
FOOL IC601/5

U5CD
U5
COM
G1 G2

P/N3 P/N601

L R COM CSW SRQ SI SO SCK CS RST G1 ACC14V ACC5V G2 (BACKUP)

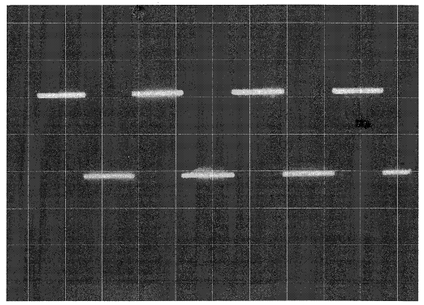
CAR-RADIO

POWER-ON IC601/58

PL-64
CD-CONNECTOR-BOARD

(7)

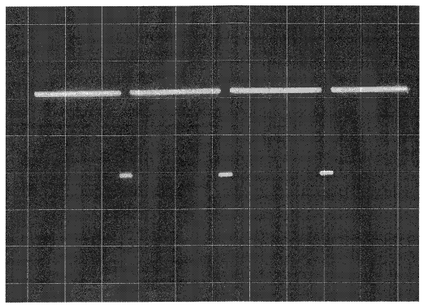
R F C K **IC 503 / 43**



2 V / cm **50 µs / cm**

(8)

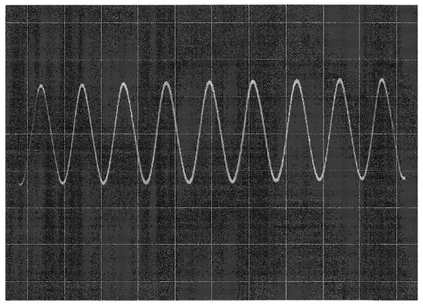
M N T 3 **IC 503 / 46**



2 V / cm **50 µs / cm**

(9)

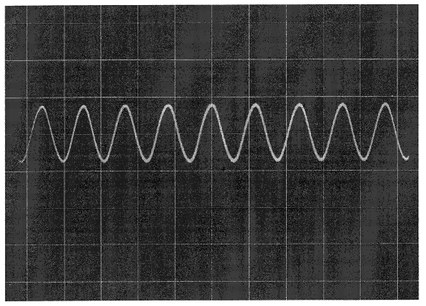
X T A I **IC 503 / 53**



1 V / cm **50 ns / cm**

(10)

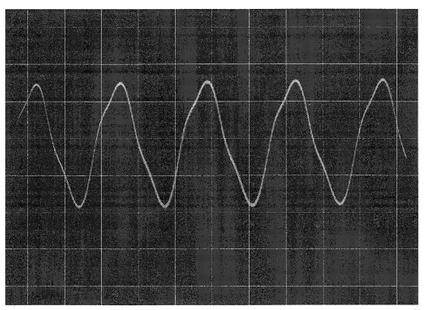
X T I **IC 301 / 28**



1 V / cm **50 ns / cm**

(11)

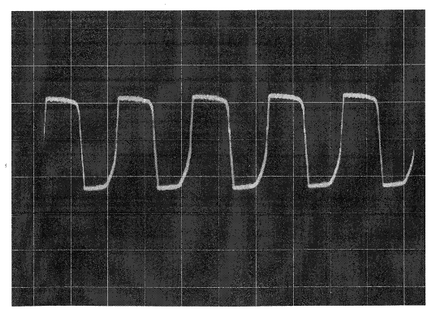
E X TA L **IC 601 / 74**



1 V / cm **100 ns / cm**

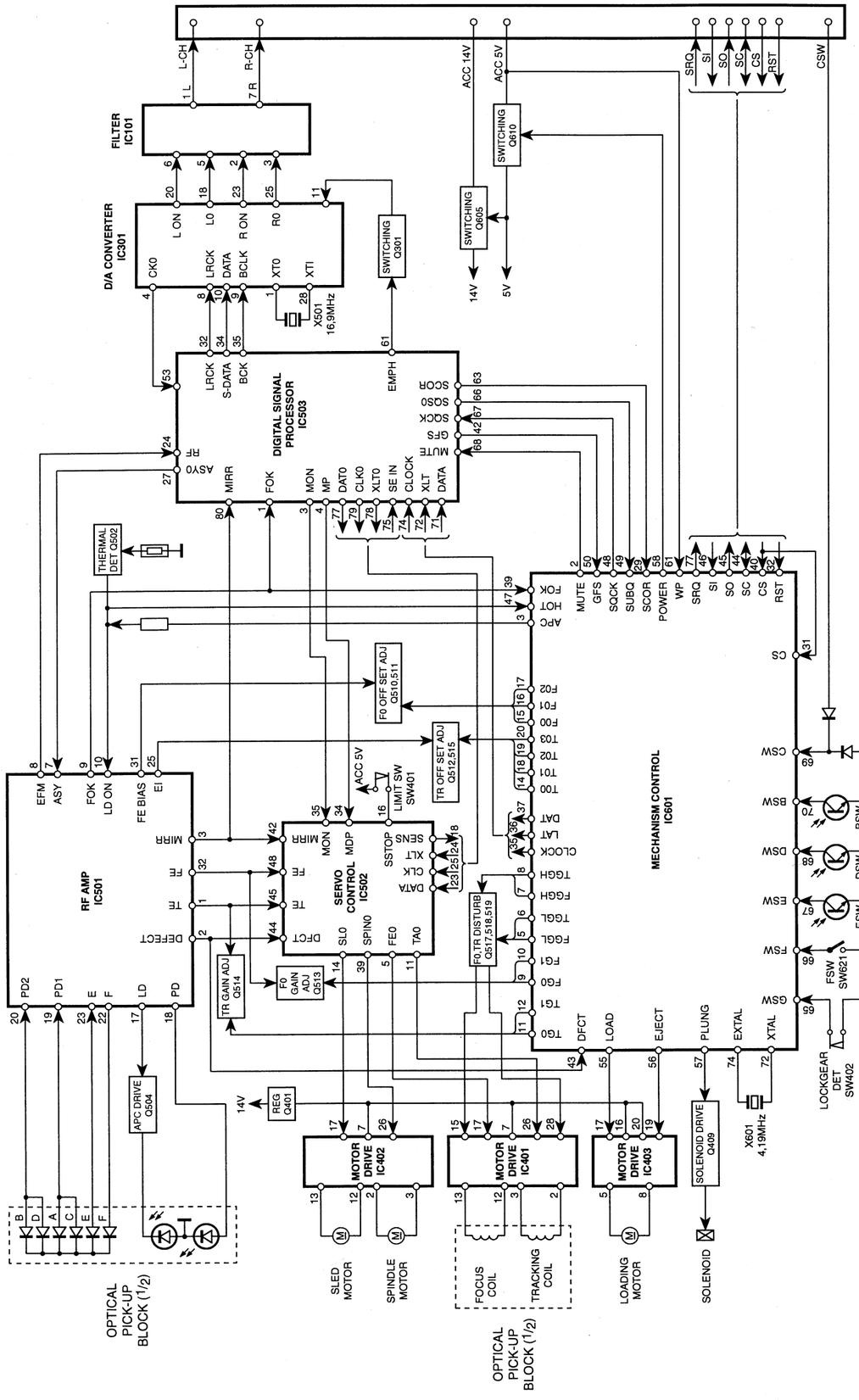
(12)

S C K **IC 601 / 44**



2 V / cm **10 ms / cm**

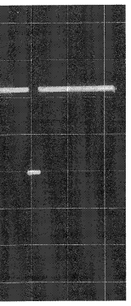
BLOCK DIAGRAM



Elektrische Ba
Composants é

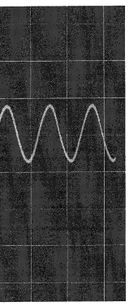
Position / Position / Position / Posición	Bezeichr / Designat / Déomina / Denomin
D 401	RD 5.1 M
D 402	DAN 202
D 406	RD 8,2 JI
D 501	DAN 202
D 601	DAN 202
D 404	SEL 6110
D 405	SEL 6110
D 409	SEL 6110
IC 101	NJM 210
IC 301	CXD 845
IC 401	BA 6295
IC 402	BA 6295
IC 403	BA 6285
IC 501	CXA 108
IC 502	CXA 108
IC 503	CXD 250
IC 601	CXP 501
L 303	10 µH
L 501	10 µH
L 502	3,3µH
Q 301	UN 2212
Q 401	2 SB 120
Q 402	2 SC 162
Q 409	UN 5216
Q 502	2 SC 162
Q 504	2 SB 112
Q 510	XN 1215
Q 511	XN 1215
Q 512	XN 1215
Q 513	XN 1215
Q 514	XN 1215
Q 515	UN 5216
Q 516	UN 5216
Q 517	XN 1215
Q 518	XN 1115
Q 519	2 SC 162
Q 605	2 SB 112
Q 606	UN 5211
Q 609	UN 5211
Q 610	UN 2212

IC 503 / 46



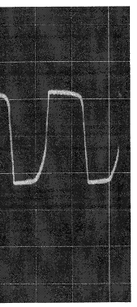
50 µs / cm

IC 301 / 28



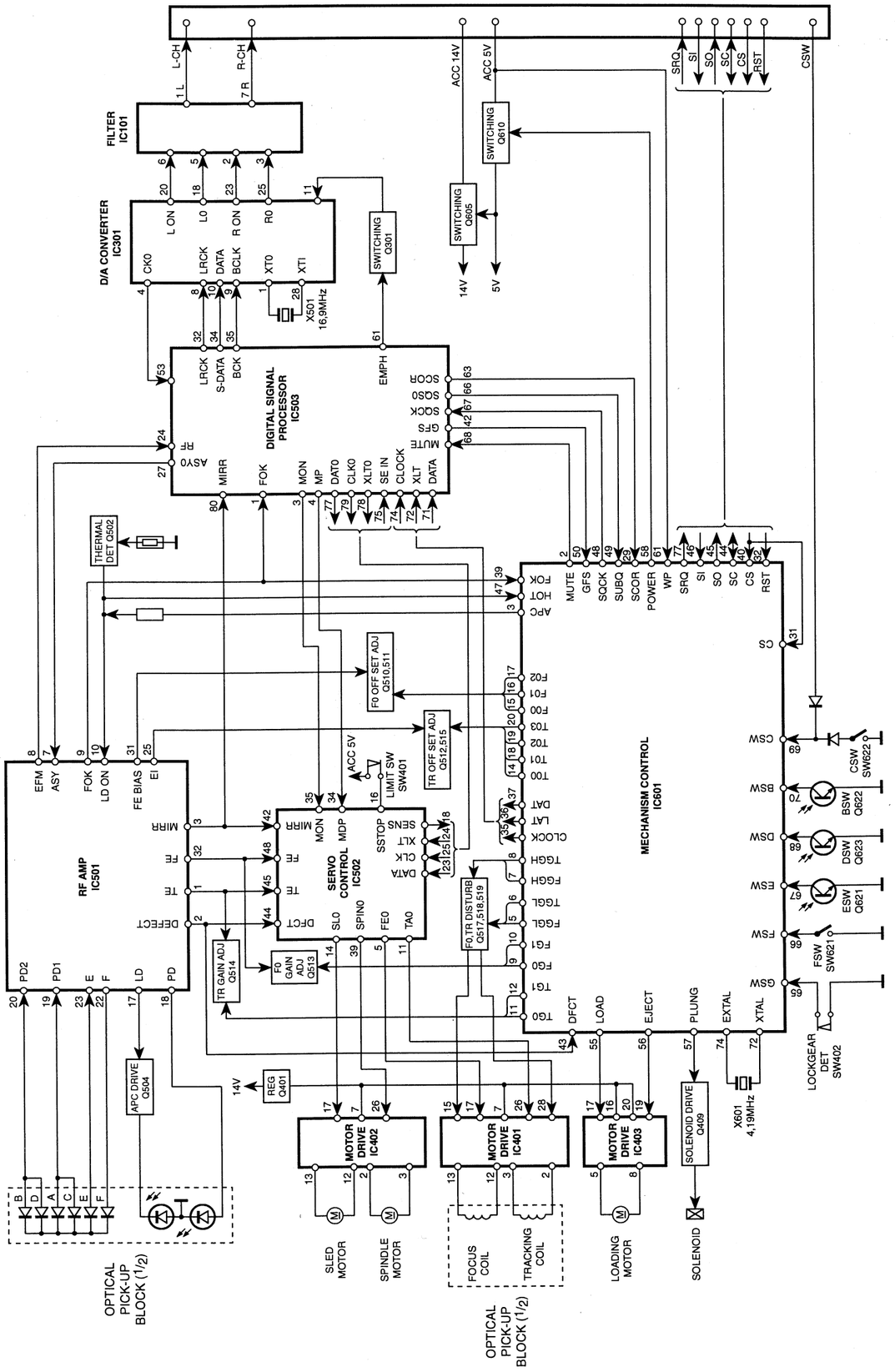
50 ns / cm

IC 601 / 44



10 ms / cm

BLOCK DIAGRAM



Elektrische Bauteile
Composants électriques
Electric components
Piezas eléctricas

Position / Position / Position / Posición	Bezeichnung / Designation / Déomination / Denominación	Bestell-Nr. / Part no. / No. de commande / Número de pedido
Dioden		
D 401	RD 5.1 M - B2	8 945 421 413
D 402	DAN 202 U T 106	8 945 406 041
D 406	RD 8,2 JB 3	8 945 421 178
D 501	DAN 202 U T 106	8 945 421 041
D 601	DAN 202 U T 106	8 945 421 041
Leuchtdioden		
D 404	SEL 6110 R - TP 5	8 945 406 332
D 405	SEL 6110 R - TP 5	8 945 421 332
D 409	SEL 6110 R - TP 5	8 945 421 332
ICs		
IC 101	NJM 2100 M	8 925 901 300
IC 301	CXD 8451 M	8 925 901 301
IC 401	BA 6295 FP	8 925 901 302
IC 402	BA 6295 FP	8 925 901 302
IC 403	BA 6285 FP	8 945 901 303
IC 501	CXA 1081 Q	8 925 900 555
IC 502	CXA 1082 Q - Z	8 925 900 556
IC 503	CXD 2500 AQ	8 925 901 304
IC 601	CXP 50116 - 411 Q	8 925 901 305
Spulen		
L 303	10 µH	8 958 411
L 501	10 µH	8 958 411
L 502	3,3µH	8 958 411
Transistoren		
Q 301	UN 2212	8 945 705 311
Q 401	2 SB 1202 FAST	8 925 705 593
Q 402	2 SC 1623 L5 L6	8 925 705 486
Q 409	UN 5216	8 925 705 465
Q 502	2 SC 1623 L5 L6	8 925 705 486
Q 504	2 SB 1123 T	8 925 705 650
Q 510	XN 1215 - TX	8 945 705 731
Q 511	XN 1215 - TX	8 945 705 731
Q 512	XN 1215 - TX	8 945 705 731
Q 513	XN 1215 - TX	8 945 705 731
Q 514	XN 1215 - TX	8 945 705 731
Q 515	UN 5216	8 925 705 465
Q 516	UN 5216	8 925 705 465
Q 517	XN 1215 - TX	8 945 705 731
Q 518	XN 1115	8 945 705 674
Q 519	2 SC 1623 L5 L6	8 925 705 486
Q 605	2 SB 1123 - S	8 925 705 649
Q 606	UN 5211	8 945 705 662
Q 609	UN 5211	8 945 705 662
Q 610	UN 2212	8 925 705 649
Q 621	PN 147	8 925 705 651
Q 622	PN 147	8 925 705 651
Q 623	PN 147	8 925 705 651
Widerstände		
TH 501		8 940 599 727
TH 502		8 940 599 727
Quarze		
X 501		8 946 193 457
X 601		8 946 193 480

Hinweis:
Handelsübliche Kondensatoren und Widerstände sind in der Ersatzteilliste nicht aufgeführt. Wir bitten Sie, diese Teile im Fachhandel zu beziehen.

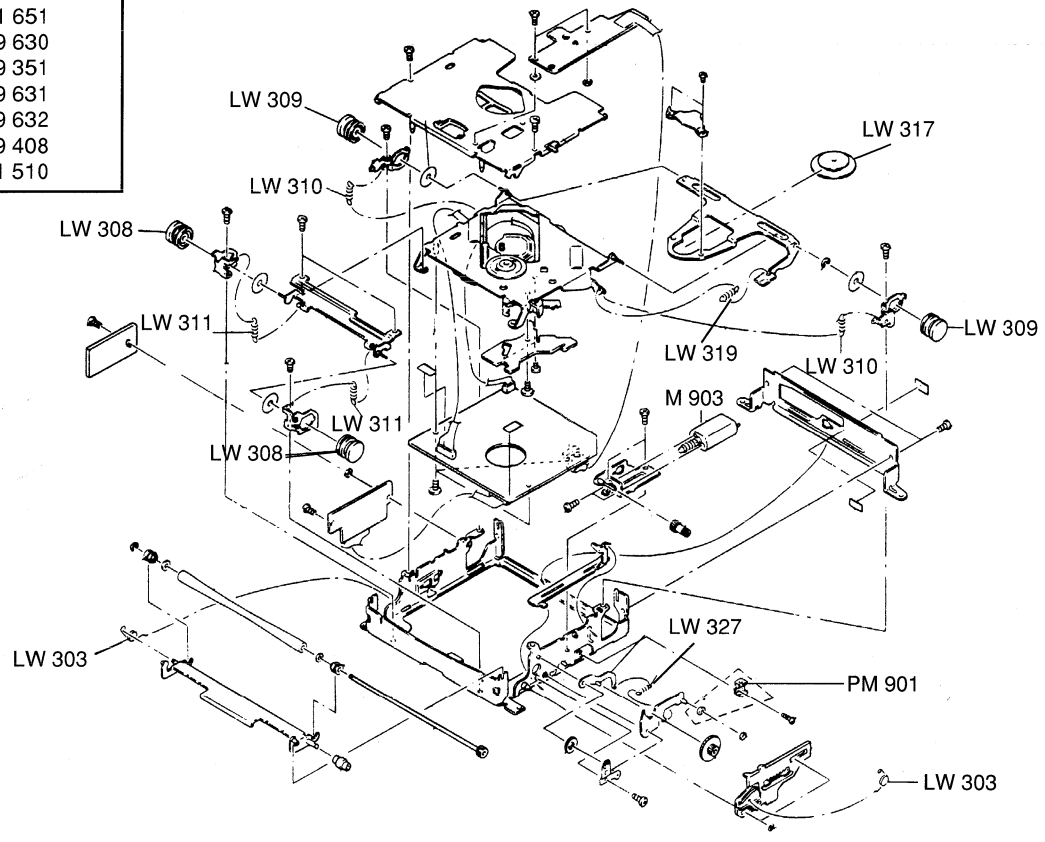
Nota:
Des condensateurs et résistaces commerciaux ne sont pas inclus dans la liste des pièces détachées. Veuillez acheter ces pièces chez votre spècialiste.

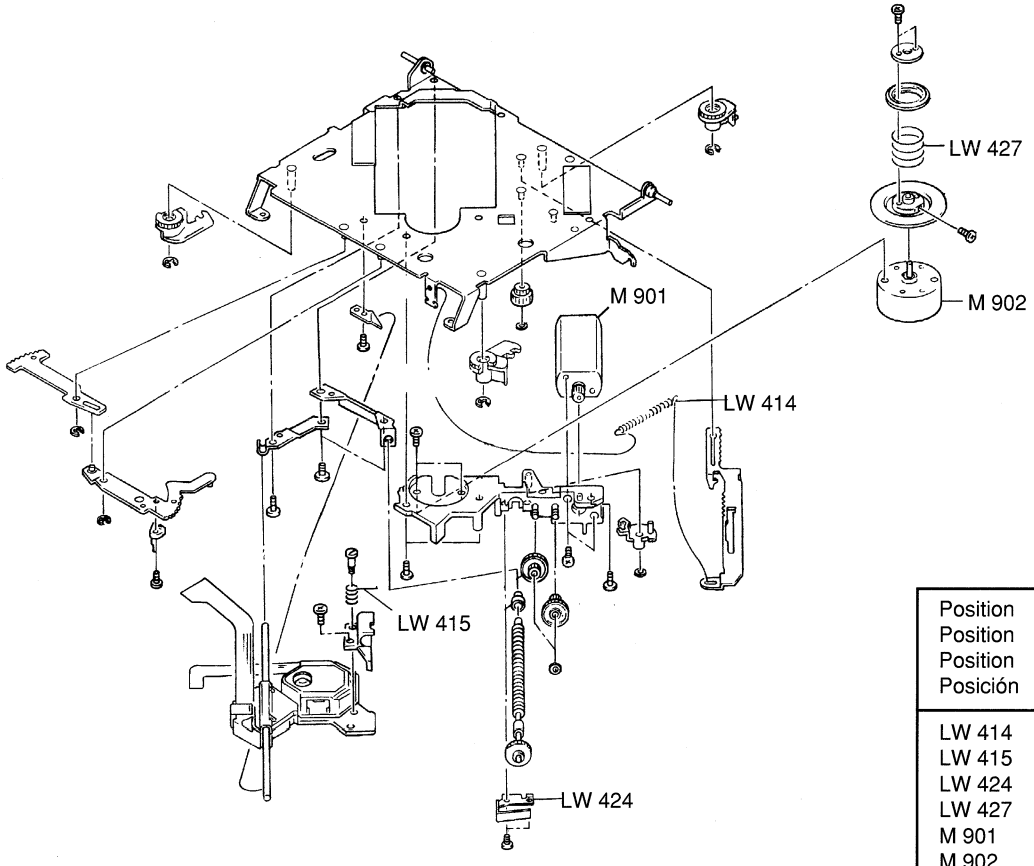
Note:
Capacitors and resistors usual in trade are not mentioned in the spare parts list. Kindly buy these parts from the specialized trade.

Nota:
No se indican en la lista de piezas de requestos los condensatores y los resistores de uso comercial. Les rogamos comprar esas piezas en el comercio especializado.

LW 1300 Explosionszeichnung / Exploded View / Vue éclatée / Dibujo de tipo explosión

Position Position Position Posición		Bestell-Nr. Part no. No. de commande Número de pedido
LW 303		8 619 319 629
LW 308	x 2	8 619 319 917
LW 309	x 2	8 619 319 618
LW 310		8 619 511 651
LW 311		8 619 319 630
LW 317		8 619 319 351
LW 319		8 619 319 631
LW 327		8 619 319 632
M 903		8 619 329 408
PM 901		8 619 521 510

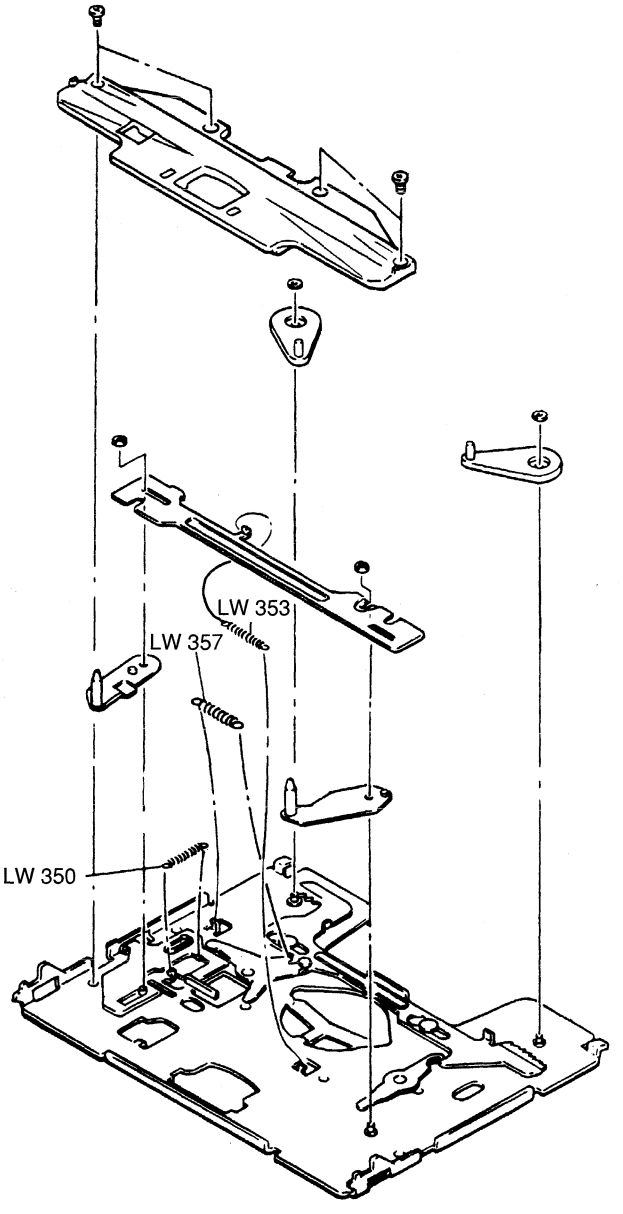




Position Position Position Posición	Bestell-Nr. Part no. No. de commande Número de pedido
LW 414	8 619 319 633
LW 415	8 619 319 634
LW 424	8 619 319 635
LW 427	8 619 511 661
M 901	8 619 521 425
M 902	8 619 329 403

LW 1300 Explosionszeichnung / Exploded View / Vue éclatée / Dibujo de tipo explosión

Position Position Position Posición	Bestell-Nr. Part no. No. de commande Número de pedido
LW 353	8 619 511 656
LW 357	8 619 511 657
LW 350	8 619 511 655



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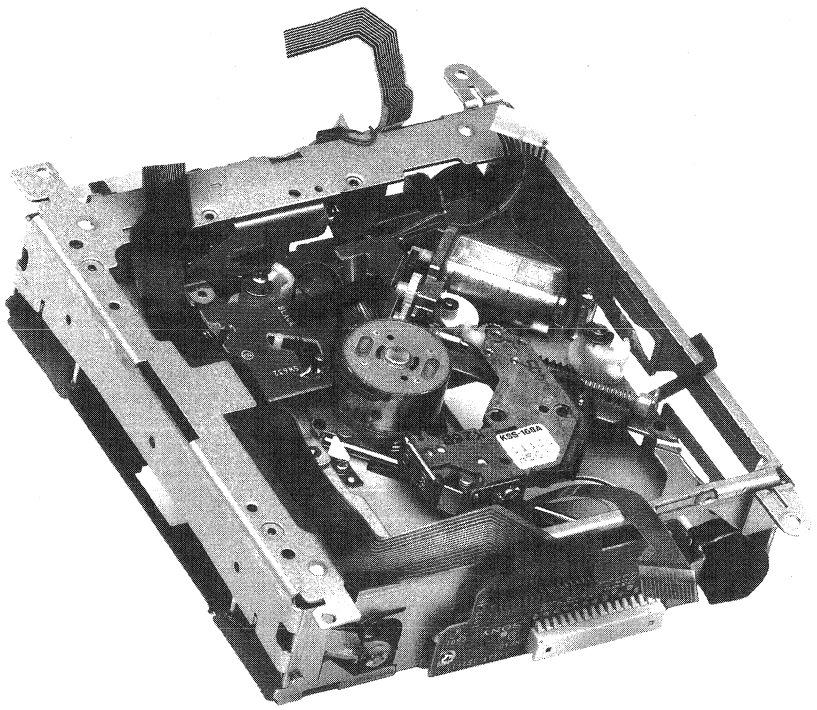
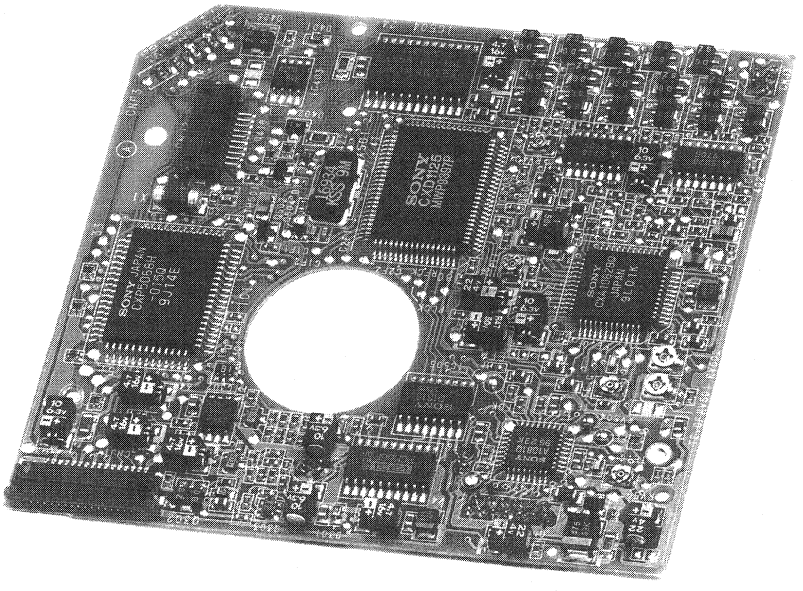
BLAUPUNKT
Bosch Telecom

CD - Laufwerk
8 638 811 547

3 D92 340 005 UL

Ersatzteilliste • Spare Parts List • Liste de rechanges • Lista de requestos





CD - Laufwerk LW 1300

Mechanische Bauteile
Composants mécaniques
Mechanicl components
Piezas mecánicos

LW 1300					**8 638 811 547**
LW 309					8 616 581 145
LW 310 LW 311 LW 327 LW 350 LW 352 LW 354 LW 414 LW 415 LW 424 LW 427	Federsatz	Set of Springs	Jeu de Ressorts	Juego de Muelles	8 619 591 426

Elektrische Bauteile
Composants électriques
Electric components
Piezas eléctricas

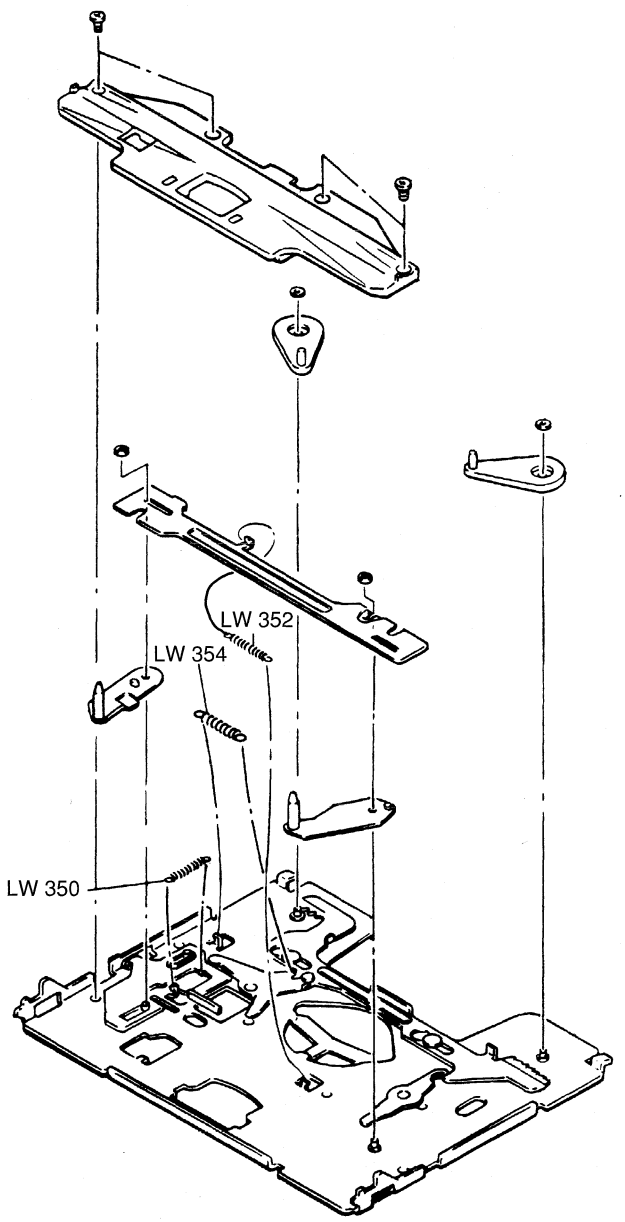
Position Position Position Posición	Bezeichnung Designation Déomination Denominación	Bestell-Nr. Part no. No. de commande Número de pedido
D 1	DCB015-TB	8 925 421 566
D 301	DTZ5,1B-TT11	8 925 421 567
D 302	DTZ10B-TT11	8 925 421 568
D 401	DCA015-015-TB	8 925 421 565
D 402	DSA015-TB	8 945 406 376
D 403	RD10M-T1B3	8 945 421 439
D 631	LN1261C-TL	8 945 406 030
D 632	LN1261C-TL	8 945 406 030
D 633	LN1261C-TL	8 945 406 030
IC 1	CXP5068H-035	8 925 900 942
IC 301	PCM66P-T1-1	8 925 900 941
IC 302	RC4560M	8 925 900 552
IC 401	M5228FP-T1	8 945 902 770
IC 402	M5228FP-T1	8 945 902 770
IC 501	CXA1081Q	8 925 900 555
IC 502	CXA1082BQ	8 925 900 944
IC 503	CXD1125Q	8 925 900 557
IC 504	CXK5816MS-15L-T1	8 925 900 943
IC 505	CXA1081Q	8 925 900 555
L 1	10 µH	8 958 411 511
L 501	10 µH	8 958 411 511
L 502	3,3µH	8 958 411 512
Q 101	DTC343-T-146	8 925 705 581
Q 201	DTC343-T-146	8 925 705 581
Q 301	IMB1	8 945 706 101
Q 302	2SD1950VL	8 925 705 582
Q 303	IMK2-T108	8 925 705 583
Q 401	DTC114EU	8 945 705 944
Q 402	2SD1624R/S/T	8 925 705 457
Q 403	2SB1124R/S/T	8 925 705 584
Q 404	2SD1624R/S/T	8 925 705 457
Q 405	2SB1124R/S/T	8 925 705 584

Position Position Position Posición	Bezeichnung Designation Déomination Denominación	Bestell-Nr. Part no. No. de commande Número de pedido
Q 406	2SD1624R/S/T	8 925 705 457
Q 407	2SB1124R/S/T	8 925 705 584
Q 408	2SD1624R/S/T	8 925 705 457
Q 409	2SB1124R/S/T	8 925 705 584
Q 410	2SD1624R/S/T	8 925 705 457
Q 411	2SB1124R/S/T	8 925 705 584
Q 412	2SD1624R/S/T	8 925 705 457
Q 413	2SB1124R/S/T	8 925 705 584
Q 414	2SD1624R/S/T	8 925 705 457
Q 415	2SB1124R/S/T	8 925 705 584
Q 416	2SD1624R/S/T	8 925 705 457
Q 417	2SB1124R/S/T	8 925 705 584
Q 418	2SB1000AL	8 925 705 585
Q 419	2SB1000AL	8 925 705 585
Q 420	FMG9-T148	8 925 705 586
Q 422	DTC143TU	8 925 705 404
Q 423	2SD1950VL-T1	8 925 705 582
Q 424	2SD1950VL-T1	8 925 705 582
Q 425	2SD1624R/S/T	8 925 705 457
Q 501	2SB624	8 925 705 350
Q 502	2SA1179M	8 945 705 681
Q 503	FMG9-T148	8 925 705 586
Q 504	DTC114EU	8 945 705 944
Q 505	DTC143TU	8 925 705 404
R 1	100 K	8 940 890 270
R 2	22 K	8 940 890 271
R 3	22 K	8 940 890 271
R 4	22 K	8 940 890 271
R 5	22 K	8 940 890 271
R 6	22 K	8 940 890 271
R 8	27 K	8 940 890 273
R 9	10 K	8 940 890 274
R 10	100 K	8 940 890 270
RV 401	4,7 K	8 921 500 225
RV 501	22 K	8 921 500 226
RV 502	47 K	8 921 500 227
RV 503	22 K	8 921 500 228
RV 504	22 K	8 921 500 228

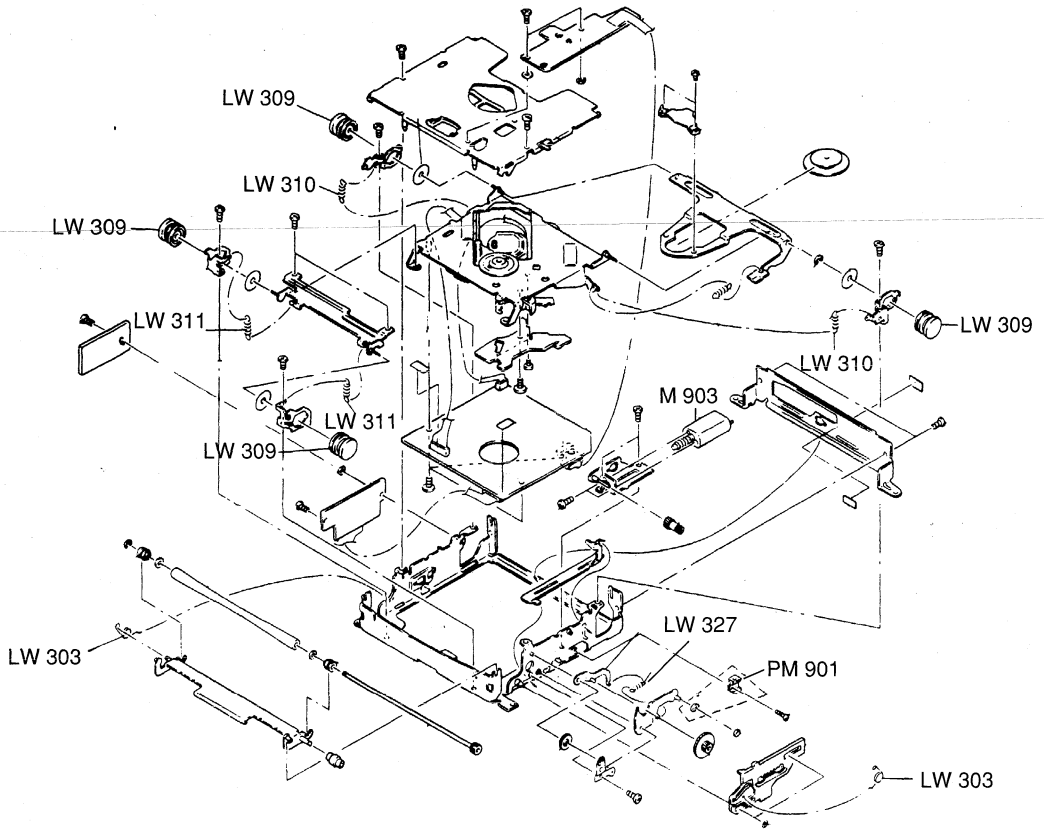
Position Position Position Posición	Bezeichnung Designation Déomination Denominación	Bestell-Nr. Part no. No. de commande Número de pedido
RV 505	2,2 K	8 921 500 230
TH 441		8 940 599 763
TH 442		8 940 599 763
TH 501		8 940 599 763
M 901		8 619 521 425
M 902		8 619 521 426
M 903		8 619 521 427

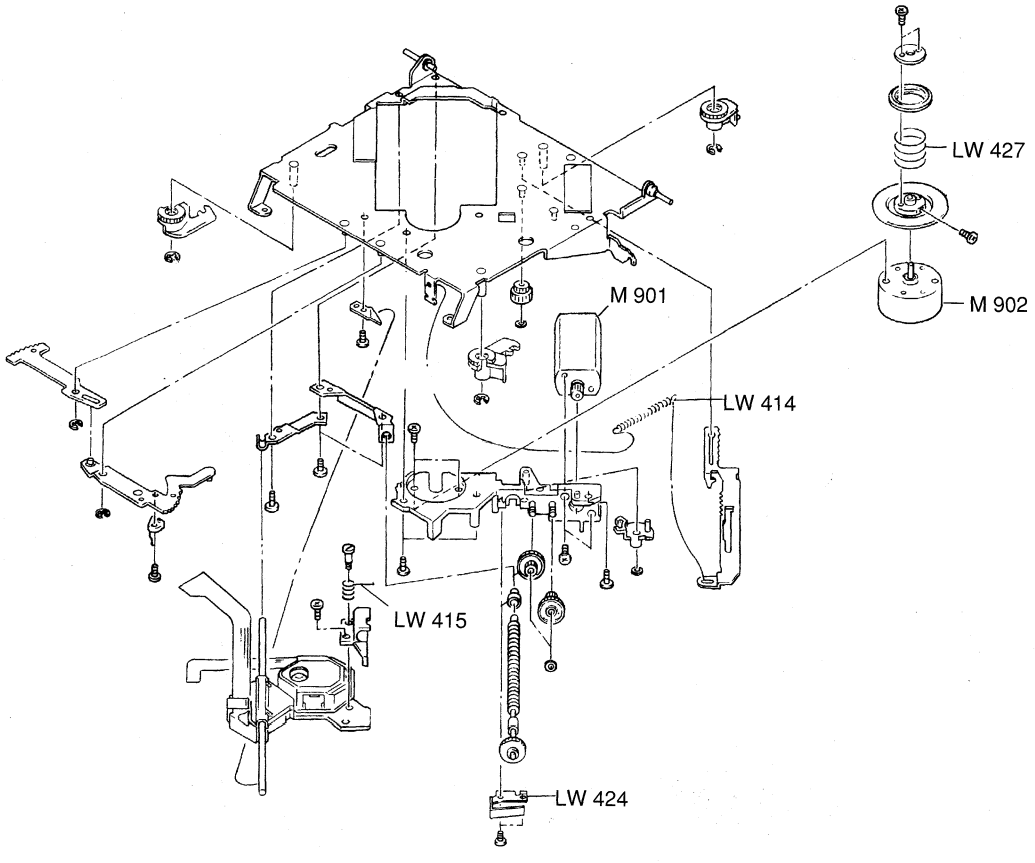
Position Position Position Posición	Bezeichnung Designation Déomination Denominación	Bestell-Nr. Part no. No. de commande Número de pedido
PM 901		8 619 521 510
X 1		8 946 193 444
X 501		8 946 193 445

LW 1300 Explosionszeichnung / Exploded View / Vue éclatée / Dibujo de tipo explosión



LW 1300 Explosionszeichnung / Exploded View / Vue éclatée / Dibujo de tipo explosión





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